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(71)Applicant : JAPAN SYNTHETIC RUBBER CO LTD

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(54) RUBBERY RANDOM COPOLYMER

(57)Abstract:

PURPOSE: To provide the titled copolymer outstanding in heat and oil resistances and adhesivity to metal, useful for automobile parts, etc., constituted of specified composition of respective units of diene monomer, acrylonitrile, acrylic ester and amino group-contg. monomer.

CONSTITUTION: The objective copolymer can be obtained by copolymerization, in an autoclave, between (A) a conjugated device such as butadiene, (B) a vinyl cyanide such as acrylonitrile, (C) an acrylic ester such as butyl acrylate, and (D) an aromatic amino group-contg. monomer such as N-(4-anilinophenyl) methacrylamide. This copolymer has a number-average molecular weight 40,000W120,000, being constituted of (i) 10W60wt% of a component of formula I (R1 is H or methyl), (2) 10W40wt% of a second component of formula II (R2 is H' or methyl), (3) 10W70wt% of a third component of formula III (R3 is H or methyl; R4 is 1W8C alkyl), and (4) 0.1W10wt% of a fourth component of formula VI (R5WR7 are each H, 1W4C alkyl, etc.; R9 and L H, 1W4C alkyl, carboxymethyl, etc., R12 is H, 1W4C alkyl, are each H or 1W4C alkyl).

